

IN THE CLAIMS

Claim 1 (Previously Presented): An information processing device serving as a contents using device for playing or using contents, said information processing device comprising:

a communication unit for executing communication processing with a license storage device storing rights information serving as usage rights information of contents associated with a user of the information processing device, and communication processing with a contents distribution server;

an encryption processing unit for executing encryption processing including authentication processing in said communication processing; and

a control unit for executing processing control for inputting rights information corresponding to contents from said license storage device, via said communication unit, transmitting said input rights information, which indicates rights to receive streaming contents, to said contents distribution server, and receiving streaming contents corresponding to said rights information from said contents distribution server and playing or using said streaming contents, the control unit stopping the playing or the using of said streaming contents when a subsequent authentication processing, conducted when the information processing device is receiving said streaming contents, fails.

Claim 2 (Previously Presented): An information processing device according to Claim 1, wherein said encryption processing unit has a configuration for executing verification processing for a tampering verification value attached to contents-corresponding rights information input from said license storage device, said encryption processing unit executing authentication processing at least once while the information processing device is receiving said streaming contents.

Claim 3 (Original): An information processing device according to Claim 1, wherein said encryption processing unit executes mutual authentication with said license storage device;

and wherein said control unit has a configuration for executing input processing of contents-corresponding rights information input from said license storage device via said communication unit, with the establishment of said mutual verification as a precondition thereof.

Claim 4 (Original): An information processing device according to Claim 1, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said license storage device, and for executing verification processing for a tampering verification value attached to contents-corresponding rights information input from said license storage device via said communication unit, applying a key generated in said key-sharing processing.

Claim 5 (Canceled).

Claim 6 (Original): An information processing device according to Claim 1, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said contents distribution server, and for executing verification processing for a tampering verification value attached to a contents file from said contents distribution server via said communication unit, applying a key generated in said key-sharing processing.

Claim 7 (Original): An information processing device according to Claim 1, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said contents distribution server, and for executing decryption of an encrypted contents encryption processing key attached to a contents file from said contents distribution server via said communication unit, applying a key generated in said key-sharing processing.

Claim 8 (Original): An information processing device according to Claim 1, wherein header information of a contents file received from said contents distribution server contains RHD check mode information setting whether or not to take connection with said license storage device at the time of playing contents as a precondition thereof;

and wherein said encryption processing unit executes mutual authentication processing with said license storage device for contents playing processing wherein said RHD check mode information takes connection with said license storage device at the time of playing contents as a precondition thereof; and

wherein said control unit performs contents playing processing with establishment of said authentication as a precondition thereof.

Claim 9 (Original): An information processing device according to Claim 1, wherein header information of a contents file received from said contents distribution server contains output control information of contents; and

wherein said control unit executes output control of contents following said output control information.

Claim 10 (Previously Presented): An information processing device according to Claim 1, wherein

said rights information contains contents distribution server information or index server information of a server capable of providing streaming contents corresponding to said rights information; and

wherein said control unit is of a configuration for executing processing for deciding a connection destination based on said contents distribution server information or said index server information.

Claim 11 (Original): An information processing device according to Claim 1, wherein said control unit is of a configuration for executing processing for transmitting, to a contents distribution server providing contents, specs information including data format information of data formats playable at the information processing device serving as a contents using device, along with said rights information.

Claim 12 (Previously Presented): An information processing device serving as a license storage device storing rights information which is contents use rights information, said information processing device comprising:

a storage unit for storing said use rights information associated with a user of the information processing device;

a communication unit for executing communication processing with a contents using device for playing or using contents;

an encryption processing unit for executing encryption processing including authentication processing in said communication processing via said communication unit, the

encryption processing unit executing authentication processing with said contents using device at least once while said contents using device is receiving streaming contents; and  
a control unit for executing output processing of contents-corresponding rights information via said communication unit with regard to said contents using device, with establishment of mutual authentication with said contents using device as a precondition thereof.

Claim 13 (Original): An information processing device according to Claim 12, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said contents using device, and for executing processing for setting a tampering verification value to rights information to be output to said contents using device, applying a key generated in said key-sharing processing.

Claim 14 (Original): An information processing device according to Claim 12, wherein  
said encryption processing unit executes mutual authentication with a license purchasing device which receives rights information from a license server via a network; and  
wherein said control unit executes input processing of contents-corresponding rights information via said communication unit, with establishment of said mutual authentication as a precondition thereof.

Claim 15 (Original): An information processing device according to Claim 12, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said license purchasing device, and for executing verification processing for a tampering verification value attached to contents-

corresponding rights information input from said license purchasing device via said communication unit, applying a key generated in said key-sharing processing.

Claim 16 (Previously Presented): A contents distribution server for distributing contents, comprising:

a communication unit for receiving a contents use request from a contents using device, and transmitting the contents;

an encryption unit for executing encryption processing including legitimacy verification processing of contents-corresponding rights information associated with a user of the contents using device and received from said contents using device via said communication unit; and

control unit for executing output processing of a contents file via said communication unit to said contents using device, with establishment of verification of said rights information as a precondition thereof, the verification of said rights information being executed at least once during the output processing of streaming contents to said contents using device and the output processing of streaming contents being stopped upon failure of the verification.

Claim 17 (Original): A contents distribution server according to Claim 16, wherein said rights information contains a valid information code serving as an identification code of validity management information of said rights information; and

wherein said control unit makes reference to a validity management table correlating validity information with said valid information code, and executes transmission processing of a contents file, with confirmation of the validity of the contents-corresponding rights information received from said contents using device as a precondition thereof.

Claim 18 (Original): A contents distribution server according to Claim 16, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said contents using device, and for executing processing for attaching a tampering verification value to said contents file being transmitted, applying a key generated in said key-sharing processing.

Claim 19 (Original): A contents distribution server according to Claim 16, wherein said control unit executes processing for storing, in header information of a contents file to be transmitted to said contents using device, RHD check mode information setting whether or not to take connection with said license storage device at the time of playing contents as a precondition thereof.

Claim 20 (Original): A contents distribution server according to Claim 16, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said contents using device, and for executing encryption of a contents encryption processing key to be stored in a contents file, applying a key generated in said key-sharing processing.

Claim 21 (Previously Presented): A license server for transmitting rights information serving as contents usage rights information via a network, said server comprising:

a communication unit for executing communication processing with a requesting terminal requesting said rights information;

an encryption unit for executing encryption processing including signature generating processing with regard to rights information to be transmitted via said communication unit;  
and

a control unit for generating rights information storing an identifier of a license storage device serving as a storage device for said rights information, said rights information being associated with a user of the license storage device, and executing output processing of said rights information, with establishment of said mutual authentication with said requesting terminal as a precondition thereof.

Claim 22 (Original): A license server according to Claim 21, wherein said encryption processing unit has a configuration for executing mutual authentication and key-sharing processing with said requesting terminal, and for executing processing for setting a tampering verification value to rights information to be output to said requesting terminal, applying a key generated in said key-sharing processing.

Claim 23 (Original): A license server according to Claim 21, wherein said control unit executes processing for generating and transmitting rights information storing identification information of a contents distribution server or index server which distributes contents corresponding to said rights information.

Claim 24 (Original): A license server according to Claim 21, wherein said control unit generates rights information storing download type information containing permit/forbid information relating to cache processing permission of distribution contents.

Claims 25-33 (Canceled).



Claim 34 (Previously Presented): An information processing device according to Claim 1, wherein a digital signature is attached to the rights information by using a secret key of the license storage device.

Claim 35 (Previously Presented): An information processing device according to Claim 1, wherein the rights information includes a time period when the information processing device can receive the streaming contents from the distribution server.

Claim 36 (Previously Presented): A contents distribution server according to Claim 16, wherein said rights information includes download-type information indicating whether or not the contents are streaming contents.

Claim 37 (Previously Presented): A license server according to Claim 21, wherein when said mutual authentication with said requesting terminal fails during streaming of contents to said requesting terminal, the streaming of contents is stopped.